



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Yuan-Ping Pang

Art Unit : 1631

Serial No. : 09/595,650

Examiner : C. Mahatan

Filed : June 16, 2000

Title : MOLECULAR MODELING FOR METALLOPROTEINS

Commissioner for Patents

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Plunkett  
5/12/03RESPONSE

In response to the action mailed February 5, 2003, please amend the application as follows:

In the claims:

Claims 1-72 are currently pending in the application. In the office action, the Examiner rejected claims 37-54, and noted that claims 1-36 and 55-72 were withdrawn from consideration.

Please amend claim 37 as follows:

-- 37. A computer readable medium having computer executable instructions for performing a method comprising:

receiving information relating to a metal ion to be simulated; and

generating a representation of a metal ion by a molecular dynamics simulation,

wherein said representation of a metal ion comprises a center atom having a van der

Waals radius greater than zero covalently linked to one or more dummy atoms having a

van der Waals radius of about zero, wherein the overall charge of said metal ion is evenly

## CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

May 5, 2003

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